

# PATENT ABSTRACTS OF JAPAN

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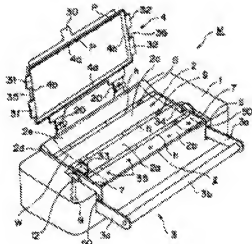
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## (54) APPARATUS FOR HAND-ROLLING VINEGARED RICE IN LAVER

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an apparatus for hand-rolling a vinegared rice in laver capable of rapidly producing a hand-rolled vinegared rice in laver with a simple structure.

**SOLUTION:** This apparatus for hand-rolling a vinegared rice in laver is capable of developing a foldable plywood 2 comprising four foldable folding pieces, locating a sheetlike laver thereon, placing a rice frame 4 through the sheetlike laver on the foldable plywood 2, feeding cooked rice into the rice frame 4, then removing the rice frame 4, dropping the foldable plywood 2 into a forming groove formed between guide frames by operating a handle 3, folding the respective folding pieces, wrapping the cooked rice with the sheetlike laver, returning the handle to the original position and supporting the resultant vinegared rice rolled in the laver on the foldable plywood 2.



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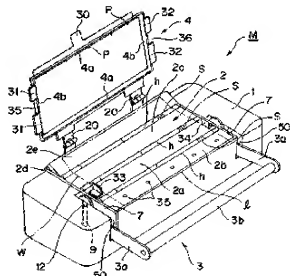
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(54) 【発明の名称】 手動のり巻き装置

(57) 【要約】

【課題】 簡単な構造で迅速にのり巻きを作るための手動のり巻き装置を提供する。

【解決手段】 新曲可能な4枚の折曲片からなる新曲合板を展開し、この上に板状のりを位置決めし、敵律を板状のりを介して新曲合板上に設置し、敵き版を敵律内に供給した後に敵律を取り除き、折曲合板をハンドル操作によりガイドフレーム間に形成された形成溝内に落下し込み、各折曲片を折り曲げて板状のりを敵を包み込みハンドルを元の位置に戻してのり巻を折曲合板上に支持せしめる。



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## DETAILED DESCRIPTION

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[Detailed Description of the Invention]

[0001]

[Field of the Invention]This invention relates to the manual sushi-roll-with-seaweed device for forming a sushi roll with seaweed manually.

[0002]

[Description of the Prior Art]Although the sushi-roll-with-seaweed device for cooking in a tabular paste, and filling up with and involving in a meal conventionally exists, this device is large-scale, the sushi-roll-with-seaweed formation for a few people is unsuitable, and a manual sushi-roll-with-seaweed device of a simple structure is desired.

[0003]

[Means for Solving the Problem]Then, a bending plywood for this invention consisting of two or more bend pieces, cooking it, and wrapping in a meal and a tabular paste simultaneously, It constituted from an operating member operated so that one bend piece of this bending plywood may be drawn in formation Mizouchi, a guide frame for supporting said bending plywood to deployment plate-like, while forming said formation slot, and a meal frame for being laid on a plate-like bending plywood, cooking, and accommodating a meal.

[0004]A bending plywood is laid by deployment plate-like on a guide frame, and a tabular paste of a prescribed dimension is laid on this. subsequently -- carrying a meal frame on a tabular paste and cooking it -- a meal -- within the limit [ meal ] -- \*\* -- a fixed quantity is put in. And after removing a meal frame, an operating member is operated and the 1st bend piece is drawn in formation Mizouchi. It is drawn the guidance about the 2nd and 3rd bend piece also being given to

Mizouchi with this operation at a vertical wall of a guide frame. In the last stage, the 4th bend piece blockades the upper part of a sushi-roll-with-seaweed formation room. At this time, a sushi roll with seaweed is pressed with the 4th bend piece in the formation interior of a room, and a form is made. Then, if an operating member is returned, a bending plywood will be in the state where a sushi roll with seaweed which was developed by tabular and completed in the shape of 1st bend piece was supported.

[0005]

[Embodiment of the Invention] Hereafter, an embodiment of the invention is described with reference to Drawings. In drawing 1, the manual sushi-roll-with-seaweed device M of this invention. It has the main part 1 formed by box-like stainless steel, the bending plywood 2 made from the stainless steel for involving in a sushi roll with seaweed is laid on this main part 1, and this bending plywood 2 operates by the handle 3 as an operating member projected to the front side of the main part 1. On the other hand, the backside of the main part 1 is equipped with the metal meal frame 4, enabling free rotation, this meal frame 4 is placed via a tabular paste on the bending plywood 2, as shown in drawing 3, into it, it cooks thinly and the meal r is accommodated.

[0006] As shown in drawing 2, said bending plywood 2 The horizontal level 5a of the guide frames 5 and 6, It is laid in 6a by deployment plate-like, respectively, and the formation slot 8 is formed between the vertical section 5b of both these guide frames 5 and 6, and 6b, and it is drawn, said bending plywood 2 cooking with a tabular paste in it between this formation slot 8, and holding a meal.

[0007] The 1st bend piece 2a located on the formation slot 8 when said bending plywood 2 has it in an expanded state on the guide frame 5 and 6, It consists of

the 2nd bend piece 2b located in the front side of this 1st bend piece 2a, the 2nd bend piece 2b located in the front side of the 1st bend piece 2a, the 3rd bend piece 2c located in the backside of the 1st bend piece 2a, and the 4th bend piece 2d connected to the backside of this 3rd bend piece 2c. This 2nd bend piece 2d adheres to the ramp 2e made from a plastic (drawing 2), and in the culmination of formation of a sushi roll with seaweed, this ramp 2e achieves the operation which presses a sushi roll with seaweed from a top, as shown in drawing 4.

[0008]The hinge h, h, and h is formed between each bend piece, the coil spring S, S, and S is formed in these hinges h, and these coil springs S are energizing each bend piece so that they may become spreading boards-like. that is, the 1st bend piece 2a turns into a reference piece, and to this reference piece, from a chip box raising \*\*\*\* state, the 2nd bend piece 2b is energized so that it may become level. Bend piece 2b may be constituted so that it may stop with the stopper (with no graphic display) formed in the hinge, when it becomes level to the bend piece 2a. The 3rd bend piece 2c stops like the 2nd bend piece 2b to the 1st bend piece in a horizontal position. It is energized by said coil spring S and that position regulating is performed by the stopper 40 attached to the hinge h as shown in drawing 5 so that the 4th bend piece 2d may be from a bending state in a horizontal state to this 3rd bend piece 2c. As the operating piece 41 (drawing 5) is inclined and attached to the back side of said 4th bend piece 2d and this operating piece 41 is shown in drawing 4, it is for making the 4th bend piece 2d operate in the culmination of sushi-roll-with-seaweed formation, so that the sushi-roll-with-seaweed formation room N may be blockaded.

[0009]To the side part of said guide frames 5 and 6 and the bending plywood 2. The space 50 and 50 for the divider plates 7 and 7 being formed, adjoining this

divider plate 7, and operating the handle 3 is formed, The handle side plates 3a and 3a at which it turned in the shape of [ of \*\* ] a character in this space 50 are stored, This side plate 3a was pivoted by the divider plate 7 via the pin 10, respectively, the oblong hole 11 was formed at the tip of this handle side plate 3a, the pin was engaged in this oblong hole 11, and this pin has adhered to the tie-down plate 13 which hung on the back side of the both sides of said 1st bend piece 2a. On the other hand, the guide oblong hole 9 is formed in the sliding direction at the portion corresponding to the formation slot 8 of said divider plate 7. The handle bar 3b is supported between said handle side plate 3a and 3a. Therefore, if said handle 3 is made to rotate up focusing on the pin 10 from the state of drawing 2, as shown in drawing 4, the bending plywood 2 is drawn in the formation slot 8, and it will be in the state where it developed on the main part 1, by returning the handle 3 to the original position.

[0010]With the hinges 20 and 20, the main part 1 adheres to the meal frame 4 on the backside of said main part 1 so that taking up and down are possible. The meal frame 4 consists of the long sides 4a and 4a and the short vertical boards 4b and 4b, and The vertical board 4b, The regulating pieces 31, 31, 32, and 32 are formed in 4b, respectively, they are formed by the receiving parts 35 and 36 among these regulating pieces 31 and 31, respectively, and to these receiving parts 35 and 36. When the meal frame 4 is taken down on the bending plywood 2, the pieces 33 and 34 of guidance set up on both sides of said 1st bend piece 2a are engaged, and the meal frame 4 is stabilized on a bending plywood by engagement of this piece of guidance, and the receiving parts 35 and 36, and it is positioned (refer to drawing 3). It gathers to the center portion of said side 4a, and 30 is provided, and an operator grasps the knob 30 by hand and rotates the

meal frame 4.

[0011]Next, operation of the manual paste volume device of this invention is explained. Said handle 3 is in the pushed-down position (drawing 1), the meal frame 4 becomes an ascending position at this time, and the bending plywood 2 is in the spreading-boards-like state. On this bending plywood 2, in that front end, the tabular paste w formed in the prescribed dimension is laid, after having been contacted by the front wall I of the device main frame 1. Then, an operator makes it rotate on the bending plywood 2 with the knob 30 of the meal frame 4. The projection P formed in the side 4a at this time is pierced in the tabular paste w, and it is extended in the receive hole 35 of the 2nd bend piece 2b, and thereby, the tabular paste w is positioned on the bending plywood 2, and does not move. Said projection P may be formed in the vertical board 4b, and may be provided in other sides 4a. the meal frame 4 forms a spring in the hinge 20, it energizes it so that it may be in the state of always raised drawing 1, when you make it it located on the bending plywood 2, it is locked according to a locking mechanism (with no graphic display), and it is automatically returned to the state of drawing 1 by removing this lock -- it may constitute for it to come.

[0012]Subsequently, as shown in drawing 3, the specified quantity cooks, and a meal is uniformly supplied in the meal frame 4, and is mostly adjusted to the height of the meal frame 4. Subsequently, the meal frame 4 is returned to the original position in readiness. Then, up, the handle 3 is rotated, as shown in drawing 2. It is dropped into the formation slot 8, the 1st bend piece 2a forming the pars basilaris ossis occipitalis of the sushi-roll-with-seaweed formation room N, since the pin 12 of the mounting piece 13 of the 1st bend piece 2a descends along the oblong hole 9 of the divider plate 7 with rotation of the handle 3. At this

time, 2nd and 3 bend piece 2b of the both sides of the 1st bend piece 2a and 2c form the side attachment wall of the sushi-roll-with-seaweed formation room N, rotate up in accordance with the vertical walls 5b and 6b of the guide frames 5 and 6, and they operate so that the meal r may be gradually wrapped in the tabular paste w.

[0013]Before the handle 3 reaches an uppermost position, as shown in drawing 4 (before the 1st bend piece 2a results in the maximum pars basilaris ossis occipitalis of the formation slot 8), When the operating piece 41 of the 4th bend piece 2d contacts the transverse wall 5a of the guide frame 6 and also the 1st bend piece 2a descends, with the stopper 40, the 4th bend piece 2d positioned on the same flat surface as the 3rd bend piece 2c will rotate the hinge h caudad as a center, and will close the sushi-roll-with-seaweed formation room N. At this time, the 4th bend piece 2d rotates until it rotates clockwise and the surface of the inclined ramp 2e becomes a horizontal position mostly on a figure, pressing the tabular paste w and the meal r by predetermined pressure. That is, when the 4th bend piece 2d stops in the state where it inclined and tries to return the handle 3 to the original position in itself, it will rotate it up smoothly.

[0014]After rotating the handle 3 to an uppermost position, if it is rotated to a horizontal position, each bend piece will return from the formation slot 8 to the original position, and the bending plywood 2 returns to the state where it developed. At this time, the sushi roll with seaweed is supported on the 1st bend piece 2a. If the same operation is repeated after taking out this sushi roll with seaweed, one sushi roll with seaweed after another can be made.

[0015]

[Effect of the Invention]This invention can make manually the sushi roll with



seaweed which has a fixed path by an easy mechanism since it constituted as mentioned above early, and moreover, since the mechanism is simple, it does so the effect that there is also little failure.

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## DESCRIPTION OF DRAWINGS

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[Brief Description of the Drawings]

[Drawing 1] It is an inclination figure of the manual sushi-roll-with-seaweed device of this invention.

[Drawing 2] It is a side sectional view of the manual sushi-roll-with-seaweed device of this invention.

[Drawing 3] It is the state explanatory view which supplied the meal to the meal frame.

[Drawing 4] It is an operation explanatory view of a bending plywood.

[Drawing 5] It is a composition explanatory view of the 4th bend piece of a bending plywood.

[Description of Notations]

- 1 -- Main part
- 2 -- Bending plywood
- 3 -- Handle
- 4 -- Meal frame
- 5, 6 -- Guide frame
- 8 -- Formation slot
- P -- Projection

## DRAWINGS

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[Drawing 1]

